

Title (en)

Soft node air entangled yarn and apparatus and method of production

Title (de)

Ein durch Luft verflochtenes Garn mit weichen Knoten und Vorrichtung und Verfahren zur Herstellung

Title (fr)

Fils entrelacés au moyen d'air ayant des noeuds souples et dispositif et procédé de fabrication

Publication

EP 0488070 B1 19960522 (EN)

Application

EP 91119931 A 19911122

Priority

US 61937790 A 19901128

Abstract (en)

[origin: US5763076A] Described are a multifilamentary yarn composed of a plurality of periodically interlaced synthetic polymeric filaments which is characterized by regular node spacing and a yarn harshness of less than about 100 and an apparatus and process for making the same.

IPC 1-7

D02J 1/08

IPC 8 full level

D02G 1/16 (2006.01); **D02G 3/22** (2006.01); **D02J 1/00** (2006.01); **D02J 1/08** (2006.01)

CPC (source: EP US)

D02G 1/16 (2013.01 - EP US); **D02G 3/34** (2013.01 - EP US); **D02J 1/08** (2013.01 - EP US); **D10B 2503/04** (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US)

Cited by

DE102009016172A1; WO2006081844A1; WO0136725A1; US8398389B2; US9194063B2

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

US 5763076 A 19980609; CA 2047785 A1 19920529; CA 2047785 C 19990323; DE 69119712 D1 19960627; DE 69119712 T2 19961002; EP 0488070 A1 19920603; EP 0488070 B1 19960522; JP 3123790 B2 20010115; JP H04263639 A 19920918; US 5184381 A 19930209

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US 97795592 A 19921118; CA 2047785 A 19910724; DE 69119712 T 19911122; EP 91119931 A 19911122; JP 28603291 A 19911031; US 61937790 A 19901128